

<b>EOR Chemical Injection Plant Design Parameters</b>		
Project Name:		
<b>Parameter Description</b>	<b>Design Data</b>	<b>Example</b>
Total Field Injection		5,000 to 7,000 BPD
Max. Inj. Pressure		1500 PSI
No. of Injection Wells (IW's)		3
IW injection range, per well		500 to 2500 BPD
Does ea. IW require separate Injection control?		Yes, must be able to adjust Polymer concentration to ea. IW
<b>Chemical Design Data</b>		
Polymer concentration injected		1800 ppm
Alkaline		
NaOH (state % active)		No
Na <sub>2</sub> CO <sub>3</sub>		1.0 percent active
Surfactant No. 1		0.5 percent active
% active		50
Surfactant No. 2 or Solvent		
% active		
<b>Injection Water Data</b>		
Total hardness		450 ppm
Surface temperature range		20 - 25°C
<b>Environmental Data</b>		
Geographical location		Texas
Ambient temperature range		0 - 33°C
Humidity range		10 to 100 R.H.
Elevation		500 Ft. MSL
<b>Facility Type</b>		
Modular skid building		Yes
Max. module width / length (for transportation issues)		16' W X 60' L
Permanent building w/ concrete floor		No
Other:		Seismic Zone 2

<b>Electrical Power</b>		480 V, 60 Hz, 3 Phase
Describe existing water flood equipment		High pressure, trunk line distribution, 2 primary quintuplex plunger pumps at one plant
Describe Level of Automation required		Remote operation monitoring

List Special Considerations: